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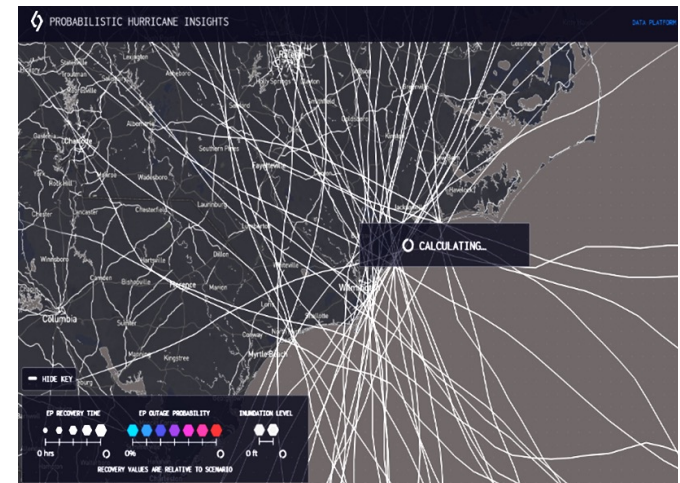
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End of FY17 Results

Recent Events: Hurricane Analysis Tools from The National Infrastructure Simulation and Analysis Center at LANL

- Hurricane Library: Searchable database of pre-computed hurricanes
- Severe Contingency Solver: Recommends the best-case load shedding after a significant disruption to an electric power transmission system
- CYCLOPS: Forecasts electric power outages based on hurricane wind profiles

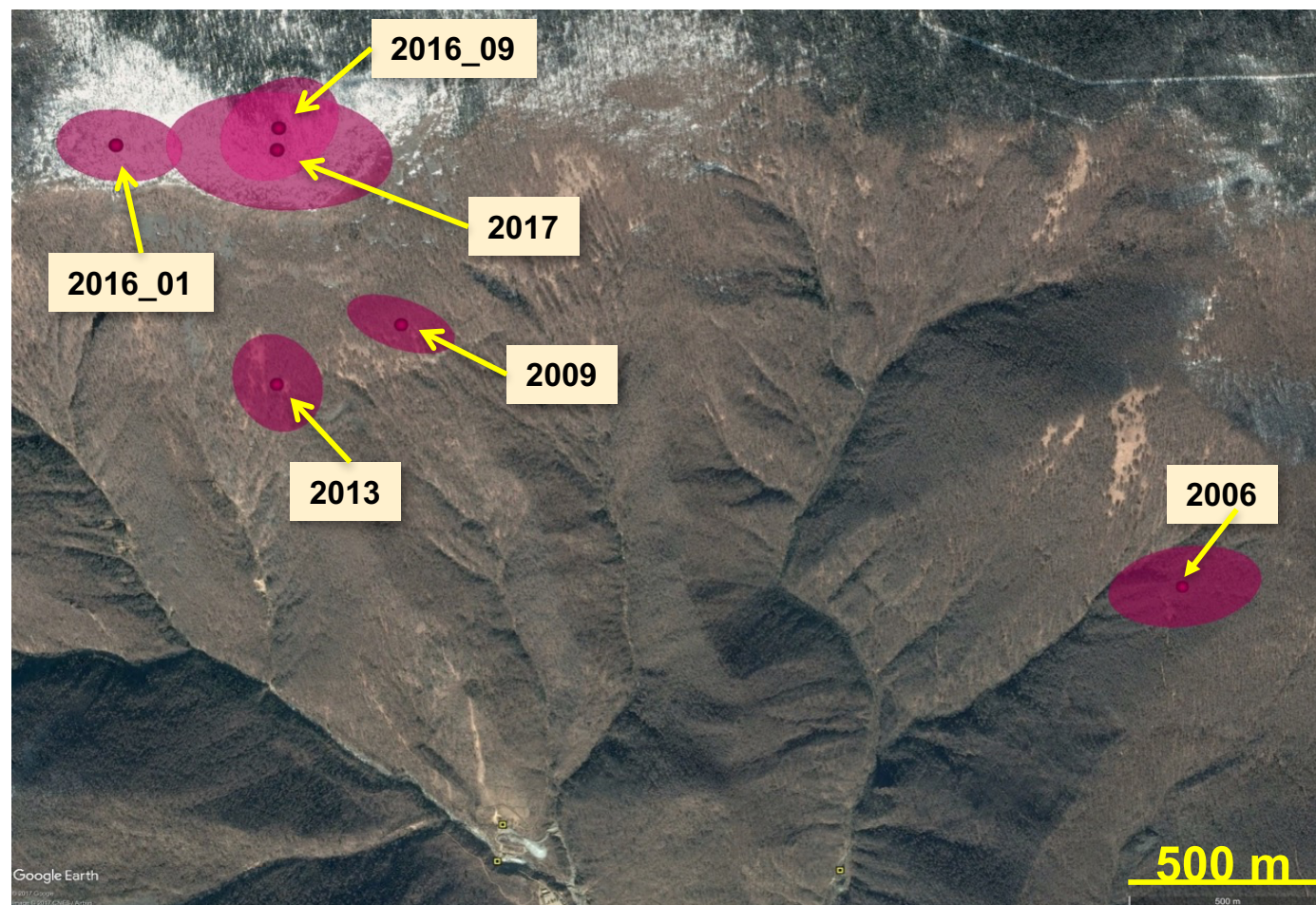


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End of FY17 Results

Recent Events: North Korea Test Program – LANL Locations



Our Weapons and Global Security Programs continued our integrated approach: *One Laboratory, One Mission: Strategic Deterrence*

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End of FY17 Results

Nuclear Counterproliferation

Nuclear emergency response
Foreign weapons assessments
Mini-satellites supporting DoD mission
Intelligence, defense, and counterterrorism
Emerging threats

Nuclear Nonproliferation

50 years of international safeguards
Monitoring techniques for nuclear testing
Satellite detection of nuclear explosions

Stockpile Stewardship

Nuclear emergency response
Foreign weapons assessments
Nuclear forensics
Emerging threats

